

## Project Lead The Way (PLTW) Launch 2015-2016 Scale-Up Program

**Overview:** Funding will assist Iowa educators in implementing a new Project Lead The Way (PLTW) Launch program by providing tuition for two required Lead Teachers per site to attend a 3-day PLTW Launch Lead Teacher Summer Core Training at [Iowa State University College of Engineering](#) or [The University of Iowa College of Engineering](#), the first year's PLTW Launch Participation Fee for 2015-16, and a \$2,000 PLTW Launch materials allowance.

**Grade Levels:** K-5

### Program Summary

[Project Lead The Way](#) (PLTW) is a nonprofit organization and the nation's leading provider of K-12 science, technology, engineering, and math (STEM) curricular programs—including [PLTW Launch\\*](#) (K-5), [PLTW Gateway\\*](#) (6-8), and three high school programs: [PLTW Engineering\\*](#), [PLTW Computer Science\\*](#) and [PLTW Biomedical Science](#). PLTW's world-class, activity-, project-, and problem-based curriculum and high-quality teacher professional development model, combined with an engaged network of educators and corporate partners, help students develop the skills needed to succeed in our global economy. PLTW's rigorous and relevant curriculum is collaboratively developed and consistently reviewed and improved by PLTW staff, teachers, university educators, industry experts, and school administrators. It leverages an innovative, project-based approach, fostering collaboration and building critical thinking skills.

*\*Part of 2015-16 Iowa Governor's STEM Scale-Up selected programs*

### What does the project provide?

1) [PLTW Launch Lead Teacher Training](#) and [PLTW Launch Classroom Teacher Training](#) includes...

- a) **Teacher training tuition** for the required two Lead Teachers per site to attend a 3-day PLTW Launch Lead Teacher Core Training (\$650 x 2 = \$1300) at either Iowa State University College of Engineering in Ames, Iowa or at The University of Iowa College of Engineering in Iowa City, Iowa.

- i) PLTW Launch Lead Teacher Core Training begins at 8 a.m. on Day 1 and ends at 5 p.m. on Day 3 for both training locations:

- **Iowa State University College of Engineering, Ames, Iowa**

- Monday, July 6 – Wednesday, July 8
    - Thursday, July 9 – Saturday, July 11
    - Monday, July 13 – Wednesday, July 15
    - Thursday, July 16 – Saturday, July 18

- **The University of Iowa College of Engineering, Iowa City, Iowa**

- Monday, July 20 – Wednesday, July 22
    - Thursday, July 23rd – Saturday, July 25th
    - Monday, July 27th – Wednesday, July 29th

- ii) Lead Teachers facilitate Building-Level Readiness Training for any building teachers intending to teach any of the PLTW Launch modules at the site – includes 8-hour session and 1-hour individual Readiness Training work.

- iii) All teachers planning to teach any of the [K-5 PLTW Launch modules](#) are required to do Module-Specific Core Training, delivered asynchronously through the PLTW Learning Management System (LMS) and is designed to provide approx. 6-8 hours of learning content.

2) [PLTW Launch participation fee](#) for the 2015-2016 academic year. Thereafter, the \$750 annual program fee will be the responsibility of the site.

3) **\$2000 PLTW Launch Materials Allowance.** All General Equipment and Supplies Kits available for order through PLTW (including the VEX IQ Kits and Equipment) can be purchased with the \$2000 Materials Allowance (see [PLTW Launch Price Sheet](#)).

### What is required by the applicant in order to implement this program?

- PLTW Launch is highly flexible and can work in many in-school and after-school settings with [24 ten-hour PLTW Launch modules](#) aligned to grade-level standards (4 per grade level)--combined to create a thematic unit--of Engineering, Biomedical Science and Computer Science curricular components.
- Sites need to review [Iowa Governor's STEM Advisory Council's 2015-16 Scale-Up Programs info](#), [PLTW Launch Program Requirements](#), the [sample PLTW Agreement](#), the [PLTW Partnership Team Guidebook](#) and the PLTW Guide to Successful Implementation PDF.
- Review the [PLTW Register Now](#) webpage. Choosing either 1) [My school or organization already has one or more PLTW programs](#) OR 2) [This is my school or organization's first PLTW program](#) and follow the instructions listed.
- Register the school district and participating schools through the PLTW online registration process. Select a [District Administrator \(DA\) and School Administrator \(SA\)](#) (for each school) to serve as the main points of contact with PLTW and be responsible for providing and maintaining accurate data and information. Upon registration, the DA will receive an email with a link to the [PLTW Agreement](#). Registration does not commit the site to implement PLTW, however, it provides program and Scale-Up Award interest-level info to PLTW and the [Iowa Gov.'s STEM Adv. Council](#).
- Review site's PLTW agreement with authorities such as the school board, superintendent, and legal department to ensure all parties are aware of district and school responsibilities. After obtaining the authorized signatures, email the agreement to [PLTW School Support Team](#).
- Execute LEA Agreement with PLTW as a part of the Scale-Up before attending Core Training and before using the \$2000 PLTW Material Allowance.
- Select two teachers to attend PLTW Launch Lead Teacher Training. Teachers should be excited to teach a project-based curriculum and meet the requirements of the PLTW agreement. After the signed agreement has been received and processed, the DA and/or SA should contact School Support (877-335-7589) to add and/or update district/school contacts, including teachers.
- [Register teachers](#) for Launch Lead Teacher Training (3-day training). Teachers must successfully complete and pass all required online PLTW Launch Readiness Training modules prior to attending Core Training, and upon completion of Core Training fulfill responsibilities to conduct building-level teacher training. Award covers tuition for the two Lead Teachers, which includes parking and lunch meals; however, this does not include other costs associated with Core Training, such as lodging, teacher stipend, additional meals, etc. Training sites will provide training lodging/meals packages.
- Review the [PLTW Order Instructions](#), the [PLTW Launch Price Sheet](#) and [PLTW Computer Specifications](#) to order the necessary equipment and supplies for the course. Start the ordering process early to ensure the lab is fully equipped before the new school year.

**Website to View Program and Standards Alignment:** [https://www.pltw.org/sites/default/vfiles/Launch%20Standards%20Alignment%20Document%202014\\_15.pdf](https://www.pltw.org/sites/default/vfiles/Launch%20Standards%20Alignment%20Document%202014_15.pdf)

**Program Video:** <https://www.youtube.com/watch?v=jEiBf33RM3s&index=2&list=PLcCTPHuIP75L4OB5bdEiFmryWewqxbXRT>